

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF JUNE, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Ancon, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON
1914



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LETTER OF TRANSMITTAL.

THE PANAMA CANAL,
DEPARTMENT OF HEALTH,
Ancon, Canal Zone, July 11, 1914.

GOVERNOR OF THE PANAMA CANAL,
Culebra, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of June, 1914.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

The diminishing death rate in the Canal Zone and the increasing death rate in the city of Panama, which has been noted for some time past, is believed to be due largely to a shifting of population from the Canal Zone to Panama. The census which is now being taken will settle this point.

The large increase in the running expenses for the month is due to the payment of accrued leave.

DIVISION OF HOSPITALS.

EMPLOYEES.

The health of the employees has continued good during the month. No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month. The number of names on the rolls for the preceding month was 47,579.

The total number of admissions to hospitals and quarters was 1,511, or a rate of 381.09 per thousand per annum, as compared with 407.92 for the preceding month, and 472.50 for the corresponding month of last year.

The total number of deaths from all causes was 20. Of these 13 died from disease, or 3.28 per thousand per annum, as compared with 5.74 for the preceding month, and 3.27 for the corresponding month of last year. The diseases causing the largest number of deaths were as follows: Lobar pneumonia, 2; organic disease of heart, 2; tuberculosis, 2. No other disease caused more than one death.

The number of employees per thousand constantly sick was 11.69, compared with 11.65 for the preceding month, and 14.98 for the corresponding month of last year.

The disease causing the highest admission and noneffective rates in hospitals was malaria, or 62 per thousand per annum, and 1.62 per thousand, respectively. The corresponding admission rate for last month and the same month of last year was 50 and 49; 27 per cent of all admissions were due to this cause.

The next highest admission rates were for venereal diseases, diseases of the digestive system, and diseases of the respiratory system. These four classes of diseases caused 51 per cent of all admissions.

The admission rate for typhoid fever per thousand per annum was 0.00, compared with 0.75 for the preceding month, and 0.00 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 139.79 and 3.67 per thousand per annum, as compared with 350.66 and 1.43 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 10.20, as compared with 18.67 for white employees.

The admission rate to hospitals for malaria was 53.23 per thousand per annum for blacks as compared with 103.47 for whites.

DEPORTATIONS.

There were 12 deportations accomplished during the month, divided as follows: Employees, 7; nonemployees, 5; for disease, 11; and injury, 1.

CANAL ZONE.

The number of persons, white and colored, living in the Canal Zone, is estimated at 54,655, among whom there were 44 deaths; of these 42 deaths were from disease, a rate of 9.22 per thousand per annum, as compared with 12.93 for the preceding month, and 12.39 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 33, compared with 42 last month.

PANAMA CITY.

In Panama City with an estimated population of 47,172, there were 156 deaths; of these 150 deaths were from disease, a rate of 38.16 per thousand per annum, as compared with 32.56 for the preceding month, and 30.02 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 55, compared with 52 last month.

COLON.

In Colon, with an estimated population of 20,232, there were 48 deaths; of these 44 deaths were from disease, a rate of 26.10 per thousand per annum, as compared with 30.25 for the preceding month, and 21.34 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 36, compared with 31 last month.

SANITATION.

CANAL ZONE.

The malaria rate for employees in June was about the same as for last year, which, in turn, was lower than any preceding year.

Extensive breeding areas for *Anopheles* still exist in the hydraulic fills between Ancon, Balboa, and Corozal, and another will doubtless exist on the fill now started back of the San Miguel district of Panama.

There was but one case of typhoid reported in June. A known typhoid carrier eloped from Ancon Hospital during the month and his whereabouts is still unknown.

The scheme for bringing malaria carriers under treatment has not been abandoned, but little progress has been made during the month.

Much cleaning has been done in the negro towns, especially those in Empire district, with the result that they look and are in better condition.

Detailed statistics are shown in Table XVII.

PANAMA.

There has been a marked improvement in the general cleanliness of the city. This is apparent in the condition of the streets, alleys, and patios, and the considerable abatement in the fly nuisances.

GARBAGE COLLECTION.

The collection and disposal of garbage was satisfactorily carried on during the month. Ninety per cent of all garbage collected in the city is now cremated at dump No. 2. Extra labor was placed on this dump in order that it might be accessible during the heavy rain. A pump for spraying larvacide will be placed on this dump during July for the purpose of killing adult flies. Very little fly breeding was found at the dump, but the numerous flies present are accounted for by adjacent fly-breeding areas, which were not discovered. The work of installing self-closing covers for garbage cans was advanced during the month.

BUILDING INSPECTION.

Since April 1st of the present year, this office has issued 513 permits for repairs to buildings. A check of the work on June 30th shows that 25.53 per cent of the work called for on the permits had been completed, and that on 90 per cent of the outstanding permits the work was in different stages of progress.

Of the 16 buildings shown in the report as having been demolished 15 of this number were demolished by the owners of the said buildings; only one was demolished by this office, and that was at the request of the owner.

The number of buildings inspected as shown in the report was considerably less than the number reported for the month of May; this is due, in part, to the requirements of the office that careful

inspection of entire buildings be made by the inspectors for concealed containers holding water, it having been found that in several instances occupants of houses were collecting water from the roofs and storing it in their rooms with the result that several complaints were received as to the presence of mosquitos in and about buildings. A careful search of the exterior of the premises showed no mosquito-breeding places, but an inspection of the interior of the building adjacent, from which the complaint came, revealed several buckets of water in which *Stegomyia* breeding was found.

In inspecting the buildings, instructions have been issued that every house in each inspector's district should be carefully inspected at the same hour of the same day of each week.

VACCINATIONS.

During the month there were 1,779 vaccinations performed. No infections have been found or reported among those vaccinated.

CONTAGIOUS DISEASES.

Two cases of diphtheria were reported during the month. Patients were isolated as soon as found and immediate contacts given prophylactic doses of antitoxine. No other contagious diseases were found or reported during the month. No typhoid fever found or reported in the city of Panama.

MOSQUITO, RAT, AND FLY WORK.

The routine maintenance of ditches was carried on during the month, and the number of mosquito-breeding places found shows a slight decrease over the previous month. There was an increase in the number of fly-breeding places found, there being 1,336 for June as against 1,110 for May. The fly-breeding places are treated with a strong solution of larvacide, which is very effective in killing fly larvae at any stage. Nine hundred and nineteen rats were trapped and sent to the laboratory. These rats came from all parts of the city. Examination of these rats has been reported as negative. Drip barrels of oil have been placed over earth drains in the different districts where needed.

SCORE CARDS.

The score card system was applied to hotels, bottling works, and bakeries, and the average scores obtained by the above places were as follows:

	First inspection average.	Last inspection average.
Hotels.....	51	84
Bottling works.....	52	77
Bakeries.....	53	56

The bakeries which show the lowest average score on the final inspection of the month are the most difficult public establishments to control, principally for the reason that most bakeries in the city are conducted on the community plan. Ovens used are nearly all of the stone type and are not equipped with chimneys. There is only one opening to the oven, and in this opening the wood for heating the oven is fired and later withdrawn, when the dough is set in to bake. The walls of the bakery under this system are always covered with a thick layer of soot as well as the baking pans, tables, and other utensils used. The building in which the oven is located is usually owned by one person, while another person owns the oven, and he in turn rents the use of it by the day to the different venders of bread. It is proposed to condemn bakeries of the above type and to require the installation of modern machinery.

Detailed statistics are shown in Table XVII.

COLON.

Conditions in Colon have been good during the month. The following special work has been accomplished:

Installation of garbage cans on the piers at Cristobal for the use of ships lying at the docks, that have hitherto been throwing their garbage in the harbor.

Removal of rat-infested shacks at Folks River and the elevation of the charcoal on platforms 3 feet above the ground.

VACCINATION.

Adults examined.....	380
Adults vaccinated.....	175
Children examined.....	700
Children vaccinated.....	465

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

No disease of a quarantinable nature has been received at any of the stations during the month. The plague situation in South America remains about the same.

The plague situation at Habana, Cuba, appears to show no material change, but a recent report indicates that a case of this disease has occurred at Santiago, Cuba. Anti plague precautions are now being taken with ships from all Cuban ports.

Detailed statistics are shown in Table XVIII.

ANCON HOSPITAL.

There has been a slight falling off in the admission and noneffective rates in the hospital during the month.

BOARD OF HEALTH LABORATORY.

Dr. Darling, chief of laboratory, who was in Colombia last month investigating an alleged outbreak of pneumonic plague, has returned and made his report showing that the disease investigated was not plague but ordinary lobar pneumonia.

The following work, in addition to the routine, was performed by the board of health laboratory during the month of June, 1914:

Bionomics of ticks *Dermacentor nitens*, the tropical horse tick, and the probable transmitter of piroplasmosis.

Breeding out moths (probable plant pests).

Bionomics of *Stegomyia scutellaris*.

Bionomics of water boatmen, particularly with reference to whether they prey upon mosquito larvæ.

Determination of the susceptibility of sloth and deer to *Tr. hippicum*. Observations of *Endotrypanum schaudinni* of the sloth.

Collection of pathological data on syphilitic aortitis.

A study of the deteriorating effect of certain constituents of the atmosphere upon larvacide.

Examination of the nonvolatile constituents of crude carbolic acid and the relation of these substances to the complete emulsification of the crude carbolic acid with resin soap.

An attempt to determine the slight amount of acid substances occurring in some hydrocarbon lubricating oils.

FARM FOR THE DISABLED.

The produce of the farm for the month amounted to \$471.46. The net per capita cost was \$0.95, as compared with \$0.26 for the preceding month. In addition to routine work the following fruit trees were set out: Seven hundred coconut, 225 avocado pears, 200 papayas.

INSANE DEPARTMENT AT FARM.

Ten additional males were transferred to Corozal on the 20th of the month, bringing the total number of insane employed there up to 40.

The therapeutic advantages already obtained by these patients by being afforded pleasant occupations in the open air at the Corozal Farm is encouraging, as several of them who were previously incorrigible, noisy, and destructive on occasions have become steady workers, agreeable, cheerful, quiet, and tractable.

From time to time it is planned to increase gradually the insane working force at that place with other patients from the asylum, in order that they, too, may be benefitted by healthful and attractive employment and diversion, which is being recognized as an important factor in the curative treatment of the insane in the more modern psychiatric institutions throughout the world.

Detailed hospital statistics are shown in Table XIII.

COLON HOSPITAL.

The condition in this hospital has remained about the same as last month.

CHRONIC DEPARTMENT.

There were 27 chronic and incurable patients constantly cared for during the month.

Detailed hospital statistics are found in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 49, the same as for the previous month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,222 cases were treated in the wards, showing a slight increase over the preceding month. The number of hospital days total 11,058, with a decrease from the preceding month of 165. The daily average of patients for June was 368 as compared with 360 for the month of May. The subsistence cost remains approximately the same as for the preceding months, viz, 23 cents per day, while the per capita cost for the month was \$0.833 per day.

Deaths for the month of June totaled 63, an increase of 3 over the month of May while the births were 87, a decrease of 3.

Malaria was the predominant disease treated, the rate being considerably lower than for the month of May. As compared with the total number of admissions for malaria, but few patients are admitted from the city itself, most of the malaria coming from the suburbs of Panama, the Guachapali and Calidonia sections, and along the Sabanas road and the vicinity of old Panama.

Pneumonia has been prevalent during the month and 7 deaths have resulted from this disease, out of a total of 26 cases treated. Nephritis was the cause of death of 12 patients; pulmonary tuberculosis of 6.

But 1 case of typhoid fever was treated during the month, and 1 each of leprosy, scarlet fever, and diphtheria. No other contagious diseases were treated.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The district having the largest admission rate for malaria was Corozal with an average weekly percentage of 0.58; that having the lowest admission rate for malaria was Empire, with a percentage of 0.18.

Detailed statistics are shown in Table IX.

VITAL STATISTICS.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Died.			Noneffective from sickness.	
		Total.	Dis- ease.	Ex- ternal causes.	Total.	Dis- ease.	Ex- ternal causes.	Days treated.	Con- stantly nonef- fective.
<i>June, 1914.</i>									
White.....	8,350	304	244	60	2	1	1	4,676	155.88
Colored....	39,229	622	457	165	18	12	6	12,008	400.27
Total..	47,579	926	701	225	20	13	7	16,684	556.15
<i>May, 1914.</i>									
White.....	7,718	317	253	64	10	3	7	4,917	158.61
Colored....	40,321	641	419	222	29	20	9	12,432	401.03
Total..	48,039	958	672	286	39	23	16	17,349	559.64
<i>June, 1913.</i>									
White.....	12,364	654	513	141	7	5	2	10,964	365.47
Colored....	46,226	905	535	370	21	11	10	15,358	511.94
Total..	58,590	1,559	1,048	511	28	16	12	26,322	877.41

PROPORTIONATE NUMBERS.¹

Color.	Number of employees.	Admissions to hospitals.			Died.			Malaria to hospital.	Total
		Total.	Disease.	Ex-ternal causes	Total.	Disease.	Ex-ternal causes.		
<i>June, 1914.</i>									
White.....	8,350	436.89	350.66	86.23	2.86	1.43	1.43	3.15	18.67
Colored...	39,229	190.27	139.79	50.48	5.50	3.67	1.83	1.29	10.20
Total..	47,579	233.55	176.80	56.75	5.04	3.28	1.76	1.62	11.69
<i>May, 1914.</i>									
White.....	7,718	492.88	393.37	99.51	15.54	4.66	10.88	(²)	20.55
Colored...	40,321	190.77	124.70	66.07	8.63	5.95	2.68	(²)	9.94
Total..	48,039	239.30	167.86	71.44	9.74	5.74	4.00	(²)	11.65
<i>June, 1913.</i>									
White.....	12,364	634.75	497.90	136.85	6.79	4.85	1.94	(²)	29.57
Colored...	46,226	234.93	138.88	96.05	5.45	2.85	2.60	(²)	11.08
Total..	58,590	319.30	214.65	104.65	6.73	3.27	2.46	(²)	14.98

¹ Annual average per 1,000.² No record.

Place.	Popu- lation.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Exter- nal causes.	Total.	Dis- ease.	Exter- nal causes.
<i>June, 1914.</i>							
Panama.....	47,172	156	150	6	39.68	38.16	1.52
Colon.....	20,232	48	44	4	28.47	26.10	2.37
Canal Zone.....	54,655	44	42	2	9.66	9.22	.44
Total.....	122,059	248	236	12	24.38	23.20	1.18
<i>May, 1914.</i>							
Panama.....	47,172	145	128	17	36.89	32.56	4.33
Colon.....	20,232	58	51	7	34.40	30.25	4.15
Canal Zone.....	54,755	70	59	11	15.34	12.93	2.41
Total.....	122,159	273	238	35	26.82	23.38	3.44
<i>June, 1913.</i>							
Panama.....	47,172	126	118	8	32.05	30.02	2.03
Colon.....	20,232	40	36	4	23.72	21.34	2.38
Canal Zone.....	63,945	76	66	10	14.26	12.39	1.87
Total.....	131,349	242	220	22	22.11	20.10	2.01

TABLE II.—DEATHS, BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	2	3	5	45	43	88	....	....	....	47	46	93
1 to 4 years.....	2	1	3	5	12	17	....	....	....	7	13	20
5 to 10 years.....	2	....	2	1	1	2	....	....	....	3	1	4
11 to 20 years.....	....	....	....	4	2	6	....	....	....	4	2	6
21 to 30 years.....	3	1	4	28	15	43	1	1	2	32	17	49
31 to 40 years.....	1	1	2	13	9	22	1	....	1	15	10	25
41 to 50 years.....	....	....	....	12	5	17	....	....	....	12	5	17
51 to 60 years.....	4	1	5	8	3	11	1	....	1	13	4	17
61 to 70 years.....	....	....	....	3	6	9	1	....	1	4	6	10
71 to 80 years.....	....	2	2	1	1	2	....	....	....	3	1	4
81 to 90 years.....	....	....	....	....	2	2	....	....	....	....	2	2
91 to 100 years.....	....	....	....	....	1	1	....	....	....	....	1	1
Total.....	14	9	23	120	100	220	4	1	5	140	108	248

TABLE III.—DEATHS, BY NATIONALITY.

Countries.	Employ- ees.	Nonem- ployees.	Total.
Antigua.....	.....	2	2
Barbados.....	6	21	27
Central America.....	1	1	1
China.....	.....	4	4
Colombia.....	1	9	10
Costa Rica.....	.....	1	1
Dominica.....	1	2	3
Grenada.....	.....	3	3
Guadeloupe.....	.....	3	3
India.....	.....	2	2
Italy.....	.....	1	1
Jamaica.....	5	52	57
Japan.....	.....	1	1
Martinique.....	2	2	4
Panama.....	3	116	119
Peru.....	1	.....	1
Spain.....	.....	2	2
St. Lucia.....	.....	2	2
St. Vincent.....	.....	1	1
United States.....	1	3	4
Total.....	20	228	248

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS
CONNECTED WITH THE PANAMA CANAL.

	Cases.	Cause of death.	Number of deaths.	Annual average per 1,000.
White employees from the United States.	5,900	Disease.....	.....	.....
		Violence.....	1	2.03
		All causes.....	1	2.03
White women and children from the United States.	4,392	Disease.....	.....	.....
		Violence.....	.....	.....
		All causes.....	.....	.....
White employees and their fam- ilies from the United States.	10,292	Disease.....	.....	.....
		Violence.....	1	1.17
		All causes.....	1	1.17
Total number of Americans on the Canal Zone.	12,578	Disease.....	.....	.....
		Violence.....	1	.95
		All causes.....	1	.95

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
Diseases:			
Abscess of liver, entamebic.....		1	1
Abscess of liver, unqualified.....	1		1
Chronic nephritis.....		1	1
Dysentery, bacillary.....		1	1
Lobar pneumonia.....		4	4
Organic disease of heart.....		2	2
Syphilis.....		1	1
Tuberculosis of the lungs.....		2	2
External causes:			
Accidental drowning.....		2	2
Dynamite traumatism.....		1	1
Homicide by other means.....	1		1
Railroad traumatism.....		2	2
Traumatism by machines.....		1	1
Total.....	2	18	20

TABLE VI.—CAUSES AND PLACES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION.

Disease.	Ancon Hos- pital.	Colon Hos- pital.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>						
Malarial fever:						
Estivoautumnal.....			2			2
Undetermined.....			2			2
Malaria fever, clinical:				1		1
Diphtheria and croup.....			1			1
Dysentery.....			1			1
Entamebic.....			3			3
Bacillary.....		1				1
Unclassified.....	3	2				5
Purulent infection and septicemia...	1					1
Tetanus.....	1					1
Pellagra.....		1	2			3
Tuberculosis of the lungs.....	3		12	3	2	20
Abdominal tuberculosis.....	1					1
Disseminated tuberculosis.....	2		1			3
Syphilis:						
Tertiary.....	1		1			2
Hereditary.....			1			1
Cancer and other malignant tumors of the stomach and liver.....			1			1
Cancer and other malignant tumors of other organs and of organs not specified.....			1			1
Scurvy.....	1					1
Alcoholism (acute or chronic).....			1			1
Drug habit.....			1			1

TABLE VI.—CAUSES AND PLACES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION—Continued.

Disease.	Ancon Hos- pital.	Colon Hos- pital.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>Diseases of the nervous system and of the organs of special sense.</i>						
Simple meningitis				1		1
Acute anterior polio-myelitis			1			1
Cerebral hemorrhage, apoplexy	1		5	1	2	9
Softening of the brain	1					1
Epilepsy			1			1
Convulsions of infants (under 5 years of age)			2			2
<i>Diseases of the circulatory system.</i>						
Acute endocarditis	1					1
Organic diseases of the heart	4		2	4		10
Aneurysm	1					1
Arterio-sclerosis			1			1
<i>Diseases of the respiratory system.</i>						
Acute bronchitis			3	1		4
Broncho-pneumonia			2	3	4	9
Pneumonia (unqualified)			3			3
Lobar pneumonia	4		5	1	1	11
Asthma			2			2
Pulmonary emphysema				1		1
<i>Diseases of the digestive system.</i>						
Acute gastritis			1	1		2
Chronic gastritis			1			1
Diarrhea and enteritis (under 2 years)	6		29	3	1	39
Colitis	1		3			4
Diarrhea and enteritis (2 years and over)	1					1
Colitis			1			1
Intestinal obstruction			1			1
Cirrhosis of the liver			5	1		6
Other diseases of the liver			1			1
Abscess of liver (unqualified)	1		1			2
Abscess of the liver entamebic	1		1			1
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>						
Acute nephritis			2	3		5
Bright's disease (chronic nephritis)	3		9	1		13
Other diseases of the kidney and annexa					1	1
Diseases of the urethra, urinary abscess, etc.			1			1
Salpingitis and other diseases of the female genital organs	1		1			2

TABLE VI.—CAUSES AND PLACES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION—Continued.

Diseases.	Ancon Hos- pital.	Colon Hos- pital.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>The puerperal state.</i>						
Puerperal septicemia.....	.....	.....	1	.....	.....	1
Following childbirth (not otherwise defined).....	.....	.....	1	.....	.....	1
Puerperal insanity.....	.....	.....	.....	1	.....	1
<i>Diseases of the skin and of the cellular tissue.</i>						
Acute abscess.....	.....	.....	1	.....	.....	1
<i>Diseases of the bones and of the organs of locomotion.</i>						
Diseases of the bones (tuberculosis excepted).....	.....	.....	1	.....	.....	1
<i>Diseases of early infancy.</i>						
Congenital debility, icterus, and sclerema.....	.....	.....	1	.....	.....	1
Premature birth.....	.....	.....	10	.....	.....	10
Congenital debility.....	1	.....	1	2	.....	4
Malnutrition.....	.....	.....	4	1	2	7
Other causes peculiar to early infancy (including various consequences of labor).....	.....	1	9	.....	.....	10
<i>Old age.</i>						
Senility.....	1	.....	.....	.....	1	2
<i>Affections produced by external causes.</i>						
Suicide by poisoning.....	.....	.....	1	.....	.....	1
Burns (conflagration excepted).....	1	.....	.....	.....	.....	1
Accidental drowning.....	.....	.....	.....	.....	2	2
Traumatism by firearms.....	.....	.....	1	.....	.....	1
Traumatism by machines.....	.....	.....	.....	.....	1	1
Railroad traumatism.....	.....	1	.....	.....	1	2
Dynamite traumatism.....	1	.....	.....	.....	.....	1
Homicide by cutting or piercing in- struments.....	.....	.....	1	.....	.....	1
Homicide by other means.....	.....	.....	1	.....	.....	1
Fractures (cause not specified).....	.....	.....	1	.....	.....	1
<i>Ill-defined diseases.</i>						
Cause of death not specified or ill- defined.....	1	.....	.....	1	3	5
Total.....	44	6	147	30	21	248
Stillbirths.....	.....	1	10	10	4	25
Grand total.....	44	7	157	40	25	273

TABLE VII.—TABLE SHOWING DISCHARGES AND DEATHS
MONTH OF

Diseases.	Ancon Hospital.							
	Employees.				Nonemployees.			
	Discharged.		Died.		Discharged.		Died.	
	W.	B.	W.	B.	W.	B.	W.	B.
<i>General diseases.</i>								
Typhoid fever.....						1		
Malaria fever:								
Estivoautumnal.....	23	92			19	8		
Tertian.....	11	16			13	1		
Quartan.....		1						
Clinical.....	27	42			11	6		
Hemoglobinuric fever, malarial.....	2							
Measles.....					5			
Scarlet fever.....					1			
Diphtheria and croup.....					1			
Influenza.....	16				25			
Dysentery.....								
Entamoebic.....	1	1			3	1		
Bacillary.....	1	1						
Unclassified.....	2	5			2	5		3
Leprosy.....						1		
Erysipelas.....		1						
Mumps.....					2			
Purulent infection and septicemia.....		1				1		1
Pyemia.....		1						
Tetanus.....						1		1
Pellagra.....								
Tuberculosis of the lungs.....	1	8		1	3	7		2
Acute miliary tuberculosis.....						1		
Abdominal tuberculosis.....		2			1	1	1	
Disseminated tuberculosis.....					1	2		2
Rickets.....					1			
Syphilis:								
Primary.....						1		
Secondary.....	4	3			3			
Tertiary.....		7		1	3	4		
Period not stated.....	2	27			4			
Gonorrhea.....	4	11			16			
Gonorrheal arthritis.....		6				1		
Gonorrheal orchitis and epididymitis.....	1	2			1			
Gonorrheal ophthalmia.....		1				1		
Soft chancre.....	7	18			3			
Adenitis chancreoidal.....	2	4						
Cancer and other malignant tumors of the peritoneum, intestines, rectum.....	1					1		
Cancer and other malignant tumors of the female genital organs.....	1				1	2		
Cancer and other malignant tumors of the skin.....								
Other tumors (tumors of the female genital organs excepted).....	1	2			1			
Acute articular rheumatism.....								
Exophthalmic goiter.....					1			
Anaemia secondary, cause not determined.....	1				2			

IN THE HOSPITALS OF THE PANAMA CANAL FOR THE
JUNE, 1914.

Colon Hospital.								Total.							
Employees.				Nonemployees.				Employees.				Nonemployees.			
Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.	
W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.
													1		
2	12			1	2			30	104			20	10		
	1							11	17			13	1		
									1						
2	10			4	1			29	52			15	7		
								2							
												5			
				1								2			
												1			
								16				25			
	2					2			2						2
								1	1			3	1		
		1						1	1	1		2	5		3
								2	5			1			
									1						
												2			
				1					1			1	1		1
									1						
						1						1			1
	1				2			1	9		1	3	9		1
												1			2
												1	1		
									2			1	1	1	
												1	2		2
												1			
								4	3				1		
									7		1	3	4		
	1				1			2	28			4	1		
	1							4	12			16			
	1								7				1		
								1	2			1			
									1				1		
				1				7	18			4			
								2	4						
								1					1		
								1				1	2		
1								1							
								1	2			1			
1								1							
												1			
								1				2			

TABLE VII.—TABLE SHOWING DISCHARGES AND DEATHS
MONTH OF

Diseases.	Ancon Hospital.							
	Employees.				Nonemployees.			
	Dis- charged.		Died.		Dis- charged.		Died.	
	W.	B.	W.	B.	W.	B.	W.	B.
<i>General diseases—Continued.</i>								
Serum disease.....		1						
Purpura hemorrhagica.....	1							
Alcoholism:								
Acute.....	1				3	2		
Chronic.....		1						
<i>Diseases of the nervous system and of the organs of special sense.</i>								
Simple meningitis.....					1			
Cerebral hemorrhage, apoplexy.....						2		1
Softening of the brain.....						1		1
Other forms of mental alienation.....		4			7	6		
Dementia precox.....					1	2		
Epilepsy.....		1			2	1		
Hysteria.....		1			2	1		
Neuralgia.....						1		
Neuritis.....	2				5	2		
Other diseases of the nervous system.....		1			1			
Neurasthenia.....	1	1			5	1		
Diseases of the eyes and their annexa.....	3	10			10	8		
Trachoma.....	1				2			
Diseases of the ears.....	4	4			15	3		
<i>Diseases of the circulatory system.</i>								
Acute endocarditis.....						1		1
Organic diseases of the heart.....	1	5	2		4	2	1	1
Aneurysm.....		1			1		1	
Arteriosclerosis.....								
Hemorrhoids.....	5	3			3			
Varices.....					1			
Varicocele.....					2			
Lymphadenitis (nonvenereal).....	2							
<i>Diseases of the respiratory system.</i>								
Diseases of the nasal fossæ.....	5				18	2		
Adenoid vegetations.....					1			
Laryngitis.....	1							
Diseases of the thyreoid body.....		1						
Acute bronchitis.....	10	7			3	2		
Chronic bronchitis.....		2						
Broncho-pneumonia.....	1	1						
Pneumonia (unqualified).....		2						
Lobar pneumonia.....	1	7	4			2		
Pleurisy.....	1	11			1			
Empyema.....	1	1						
Asthma.....	1	1						
Pulmonary emphysema.....		1						

TABLE VII.—TABLE SHOWING DISCHARGES AND DEATHS
MONTH OF

Diseases.	Ancon Hospital.							
	Employees.				Nonemployees.			
	Dis- charged.		Died.		Dis- charged.		Died.	
	W.	B.	W.	B.	W.	B.	W.	B.
<i>Diseases of the digestive system.</i>								
Diseases of the mouth and annexe.....	2	.....	.....	.....	2	.....	.....	.....
Diseases of the teeth and gums.....	.....	.....	.....	.....	1	.....	.....	.....
Diseases of the pharynx.....	5	6	.....	.....	20	3	.....	.....
Follicular tonsillitis.....	1	1	.....	.....	4	2	.....	.....
Ulcer of the stomach.....	1	.....	.....	.....	.....	.....	.....	.....
Other diseases of the stomach (cancer excepted).....	.....	.....	.....	.....	3	.....	.....	.....
Gastrectasis.....	1	.....	.....	.....	.....	.....	.....	.....
Acute gastritis.....	.....	.....	.....	.....	1	1	.....	.....
Acute indigestion.....	.....	1	.....	.....	.....	.....	.....	.....
Diarrhea and enteritis (under 2 years).....	.....	.....	.....	.....	7	9	1	5
Colitis.....	.....	1	.....	.....	1	1	.....	1
Diarrhea and enteritis (2 years and over).....	.....	.....	.....	.....	3	3	.....	1
Colitis.....	1	2	.....	.....	.....	.....	.....	.....
Ankylostomiasis.....	.....	3	.....	.....	1	1	.....	.....
Ascariasis.....	.....	.....	.....	.....	.....	1	.....	.....
Appendicitis and typhlitis.....	.....	1	.....	.....	.....	.....	.....	.....
Acute appendicitis.....	6	.....	.....	.....	3	.....	.....	.....
Chronic appendicitis.....	1	.....	.....	.....	4	.....	.....	.....
Hernia, intestinal obstructions.....	.....	.....	.....	.....	2	.....	.....	.....
Inguinal hernia.....	5	6	.....	.....	.....	1	.....	.....
Other hernias.....	.....	.....	.....	.....	.....	1	.....	.....
Intestinal obstruction.....	.....	.....	.....	.....	.....	1	.....	.....
Other diseases of the intestines.....	11	1	.....	.....	7	1	.....	.....
Constipation.....	.....	.....	.....	.....	3	.....	.....	.....
Cirrhosis of the liver.....	.....	.....	.....	.....	1	.....	.....	.....
Biliary calculi.....	.....	.....	.....	.....	.....	1	.....	.....
Other diseases of the liver.....	1	1	.....	.....	.....	1	.....	.....
Abscess of the liver:	.....	.....	.....	.....	.....	.....	.....	.....
Unqualified.....	1	1	1	.....	.....	.....	.....	.....
Entamebic.....	1	1	.....	1	1	.....	.....	.....
Other diseases of the digestive system (cancer and tuberculosis excepted).....	.....	.....	.....	.....	1	.....	.....	.....
<i>Nonvenereal diseases of the genito-urinary system and annexe.</i>								
Acute nephritis.....	.....	.....	.....	.....	1	1	.....	.....
Bright's disease (chronic nephritis).....	2	7	.....	1	2	4	.....	2
Other diseases of the kidney and annexe.....	1	1	.....	.....	.....	.....	.....	.....
Movable kidney.....	.....	1	.....	.....	.....	1	.....	.....
Pyelo-nephrosis.....	1	1	.....	.....	1	1	.....	.....
Calculi of the urinary passages.....	2	.....	.....	.....	1	.....	.....	.....
Diseases of the bladder.....	.....	.....	.....	.....	.....	1	.....	.....
Cystitis.....	.....	.....	.....	.....	1	1	.....	.....
Diseases of the urethra, urinary abscess, etc.....	.....	.....	.....	.....	1	.....	.....	.....
Stricture of the urethra, nonvenereal.....	.....	2	.....	.....	.....	.....	.....	.....
Diseases of the prostate.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic prostatitis.....	.....	1	.....	.....	.....	.....	.....	.....

TABLE VII.—TABLE SHOWING DISCHARGES AND DEATHS
MONTH OF

Diseases.	Ancon Hospital.							
	Employees.				Nonemployees.			
	Dis- charged.		Died.		Dis- charged.		Died.	
	W.	B.	W.	B.	W.	B.	W.	B.
<i>Nonvenereal diseases of the genito-urinary system and annexa—Continued.</i>								
Hypertrophy of prostate.....					1			
Nonvenereal diseases of the male genital organs.....	2	7			3	1		
Hydrocele.....		7						
Uterine hemorrhage (nonpuerperal).....					2			
Uterine tumor (noncancerous).....						4		
Other diseases of the uterus.....					7	4		
Metritis.....						1		
Cysts and other tumors of the ovary.....					2	2		
Salpingitis and other diseases of the female genital organs.....		1				2		1
Nonpuerperal diseases of the breast (cancer excepted).....		1				2		
<i>The puerperal state.</i>								
Normal labor.....					23			
Accidents of pregnancy.....					3	1		
<i>Diseases of the skin and of the cellular tissue.</i>								
Furuncle.....	3	3			3	1		
Acute abscess.....	7	9			9	4		
Phlegmon and cellulitis.....		2			3			
Scabies.....					1			
Dhobie's itch.....	1				7	1		
Ulcer of the skin.....	2	7			1	1		
Tropical ulcer.....						1		
Impetigo contagiosa.....					3			
Urticaria.....					1			
Ingrowing nail.....	4				5			
Other diseases of the skin and annexa.....	8				6	1		
<i>Diseases of the bones and of the organs of locomotion.</i>								
Diseases of the bones (tuberculosis excepted).....	1	1						
Diseases of the joints (tuberculosis and rheumatism excepted).....	1					1		
Arthritis.....	1	3						
Amputations.....		4						
Other diseases of the organs of locomotion.....	1	4			3	4		
<i>Malformations.</i>								
Congenital malformations (stillbirth not included).....					1			

IN THE HOSPITALS OF THE PANAMA CANAL FOR THE
JUNE, 1914—Continued.

Colon Hospital.								Total.							
Employees.				Nonemployees.				Employees.				Nonemployees.			
Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.	
W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.
												1			
								2	7			3	1		
									7						
												2			
													4		
												7	4		
													1		
												2	2		
									1				2		1
									1				2		
				4								23	4		
												3	1		
2				1				3	3			3	1		
	1							9	9			10	4		
									3			3			
								1				1			
	1							2	8			7	1		
												1	1		
													1		
												3			
												1			
								4				5			
								8				6	1		
								1	1						
								1					1		
								1	3						
									4						
								1	4			3	4		
												1			

TABLE VII.—TABLE SHOWING DISCHARGES AND DEATHS
MONTH OF

Diseases.	Ancon Hospital.							
	Employees.				Nonemployees.			
	Dis- charged.		Died.		Dis- charged.		Died.	
	W.	B.	W.	B.	W.	B.	W.	B.
<i>Diseases of early infancy.</i>								
Newborn child.....					28	1		
Congenital debility.....								1
Malnutrition.....	1							1
Other causes peculiar to early infancy (including various consequences of labor).....								
<i>Old age.</i>								
Senility.....					1		1	
<i>Affections produced by external causes.</i>								
Poisoning by food.....		11						
Other acute poisonings.....	1							
Burns (conflagration excepted).....		4						1
Traumatism by firearms.....	1	1				2		
Traumatism by cutting or piercing in- struments.....	1	25			2	2		
Traumatism by fall.....		3			5			
Traumatism in mines and quarries.....	1	1		1				
Traumatism by machines.....	1				1			
Traumatism by other crushings (vehi- cles, railroads, landslides, etc.).....	1	12						
Railroad traumatism.....	1							
Dynamite traumatism.....								
Starvation.....						1		
Fractures (cause not specified).....	8	15			1			
Dislocations.....		1						
Sprains.....	6	1						
Other external violence.....	35	70			7	5		
<i>Ill-defined diseases.</i>								
Ill-defined organic disease.....					1			
Cause of death not specified or ill-defined								1
Infections of undetermined origin.....	1	4			7			
No disease.....					19	2		
Total.....	286	554	1	11	439	166	5	27

IN THE HOSPITALS OF THE PANAMA CANAL FOR THE
JUNE, 1914—Continued.

Colon Hospital.								Total.							
Employees.				Nonemployees.				Employees.				Nonemployees.			
Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.		Dis- charged.		Died.	
W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.
					2							28	3		
								1							1
															1
						1									1
												1		1	
								1	11						
					1			1	4				1		1
								1	1				2		
	2				1			1	27			2	3		
1	1			1				1	4			6			
								1	1		1				
								1				1			
	2	11			1			3	23			1			
	1							1			1				
									1						
								8	15			1		1	
					1				1				1		
								6	1						
					1			35	70			7	6		
												1			
								1	4			7			1
				1	1							20	3		
17	55	0	2	15	24	0	4	303	609	1	13	454	190	5	31

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

Hospitals.	Re- main- ing June 1.		Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Re- main- ing June 30.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
<i>Ancon Hospital.</i>												
Panama Canal employees...	89	234	252	444	1	8	256	437	2	5	82	228
Panama Railroad employees...	21	69	32	109	...	3	38	120	...	...	15	55
Pay patients.....	162	86	400	125	5	12	374	124	3	4	180	71
Charity patients.....	18	2	36	26	...	8	29	13	...	3	25	4
Total.....	290	391	720	704	6	31	697	694	5	12	302	358
INSANE DEPARTMENT.												
Panama Canal employees...	7	22	2	1	...	...	2	...	...	1	7	22
Panama Railroad employees...	...	10	...	...	...	...	...	...	...	...	...	10
Republic of Panama, pay...	13	162	...	7	...	6	...	4	...	2	13	157
Other pay patients.....	2	14	3	3	...	1	...	2	...	1	5	13
Charity patients.....	8	67	...	5	...	...	...	3	...	1	8	68
Total.....	30	275	5	16	...	7	2	9	...	5	33	270
Grand total.....	320	666	725	720	6	38	699	703	5	17	335	628
<i>Corozal Farm.</i>												
Panama Canal employees...	10	40	...	4	...	...	2	...	1	1	7	43
<i>Colon Hospital.</i>												
Panama Canal employees...	6	11	9	57	...	1	11	38	4	8	...	21
Panama Railroad employees...	2	15	7	22	...	1	6	17	...	6	3	13
Private, pay.....	7	2	11	11	...	...	11	8	4	4	3	1
Republic of Panama, pay...	2	4	1	6	...	2	2	4	...	3	1	1
Charity patients.....	2	...	...	12	...	2	2	9	...	...	...	1
Total.....	19	32	28	108	...	6	32	76	8	21	7	37
CHRONIC WARD.												
Charity patients.....	...	24	...	8	...	...	...	6	...	...	...	26
<i>Palo Seco Leper Asylum.</i>												
Pay cases (Republic of Pan- ama).....	2	31	...	...	...	1	...	...	...	...	2	30
Charity cases.....	2	14	...	2	...	...	...	...	...	1	2	15
Total.....	4	45	...	2	...	1	...	...	...	1	4	45
<i>Grand total.</i>												
Panama Canal employees...	112	307	263	506	1	9	271	475	7	15	96	314
Panama Railroad employees...	23	94	39	131	...	4	44	137	...	6	18	78
Republic of Panama, pay...	17	197	1	13	...	9	2	8	...	5	16	188
Other pay patients.....	171	102	414	139	5	13	385	134	7	9	188	85
Charity patients.....	30	107	36	53	...	10	31	31	...	5	35	114
Total.....	353	807	753	842	6	45	733	785	14	40	353	779

Employees remaining in hospitals:

White..... 114
Colored..... 392

Total..... 506

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

Stations.	Employees treated in quarters.														
	Re-main-ing June 1.		Ad-mitted.		Died.		Dis-charged.		Trans-ferred.		Re-main-ing June 30.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	To-tal.
Naos Island.....	2	3	22	...	...	...	3	19	...	3	...	2	4	86	90
Balboa.....	2	1	50	14	...	...	31	7	20	7	1	1	88	24	112
Corozal.....	1	...	85	...	...	...	75	...	10	...	1	...	123	...	123
Pedro Miguel.....	...	...	16	...	...	...	14	...	1	...	1	...	23	...	23
Paraiso.....	1	...	20	...	...	...	17	...	4	...	...	...	33	...	33
Culebra.....	...	...	22	54	...	...	20	51	1	...	1	3	57	104	161
Empire.....	3	...	21	19	...	...	22	16	1	...	1	3	71	97	168
Gamboa.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gatun.....	2	3	42	23	...	...	37	24	5	...	2	2	88	92	180
Cristobal.....	1	5	117	143	...	...	104	119	...	...	14	29	274	666	940
Margarita Point.....	...	...	10	...	...	...	...	1	...	9	...	...	...	8	8
Total.....	10	11	376	285	...	...	323	237	42	19	21	40	761	1,077	1,838

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island.....	103	1,319	1,422	...	...	...	103	1,319	1,422
Balboa.....	3,724	3,901	7,625	119	144	263	3,843	4,045	7,888
Corozal.....	1,672	1,374	3,046	553	76	629	2,225	1,450	3,675
Pedro Miguel.....	480	965	1,445	328	58	386	808	1,023	1,831
Paraiso.....	671	1,150	1,821	334	368	702	1,005	1,518	2,523
Culebra.....	534	1,170	1,704	265	383	648	799	1,553	2,352
Empire.....	855	1,080	1,935	466	351	817	1,321	1,431	2,752
Gamboa.....	48	157	205	65	262	327	113	419	532
Gatun.....	895	1,396	2,291	574	450	1,024	1,469	1,846	3,315
Cristobal.....	1,035	3,103	4,138	604	354	958	1,639	3,457	5,096
Margarita Point.....	64	530	594	...	...	...	64	530	594
Total.....	10,081	16,145	26,226	3,308	2,446	5,754	13,389	18,591	31,980

CONSOLIDATED ADMISSIONS REPORT.

	White.	Colored.	Total.
Total admissions to hospitals.....	753	842	1,595
Total admissions of employees to quarters.....	376	285	661
Total.....	1,129	1,127	2,256
Less number of patients transferred between hospitals and from quarters to hospitals, whose admissions are duplicated in above figures.....	56	59	115
Net admissions to hospitals and quarters....	1,073	1,068	2,141
Net admissions of employees to hospitals and quarters.....	629	882	1,511
Annual average per thousand of admissions of employees to hospitals and quarters.....	903.95	269.80	381.09

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	125.23	339.53	464.76
Colon Hospital.....	5.29	24.82	30.11
Total.....	130.53	364.35	494.87
Quarters:			
Naos Island.....	.13	2.87	3.00
Balboa.....	2.93	.80	3.73
Corozal.....	4.10	.....	4.10
Pedro Miguel.....	.77	.....	.77
Paraiso.....	1.10	.....	1.10
Culebra.....	1.90	3.47	5.37
Empire.....	2.37	3.23	5.60
Gatun.....	2.93	3.07	6.00
Cristobal.....	9.13	22.20	31.33
Margarita Point.....	.....	.28	.28
Total.....	25.36	35.92	61.28

	Hospitals.	Quarters.	Totals.
Average number of employees constantly sick:			
White.....	130.52	25.36	155.88
Colored.....	364.35	35.92	400.27
Total.....	494.87	61.28	556.15
Average number of employees constantly sick per 1,000:			
White.....	15.63	3.04	18.67
Colored.....	9.29	.91	10.20
Total.....	10.40	1.29	11.69

TABLE XI.—AVERAGE NUMBER OF DAYS' TREATMENT PER EMPLOYEE IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
<i>Hospitals.</i>			
Ancon Hospital.....	15.00	16.40	15.92
Colon Hospital.....	11.66	15.46	14.59
<i>Quarters.</i>			
Naos Island.....	1.33	4.18	3.84
Balboa.....	1.82	2.07	1.88
Corozal.....	1.87	-----	1.87
Pedro Miguel.....	1.53	-----	1.53
Paraiso.....	1.71	-----	1.71
Culebra.....	2.71	2.04	2.24
Empire.....	3.91	6.06	4.79
Gatun.....	2.17	4.33	2.95
Cristobal.....	2.64	6.34	4.62
Margarita Point.....	-----	.83	.83

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	April, 1914.	March, 1914.	April, 1913.
Administration:			
Chief health office.....	\$2,264.34	\$3,903.97	\$4,882.11
Hospital division:			
Ancon Hospital.....	41,497.16	40,742.37	42,951.89
Corozal Farm.....	2,019.52	1,036.49	717.37
Colon Hospital.....	2,073.81	2,366.96	17,274.75
Chronic ward.....	288.59	225.54	-----
Taboga Sanitarium.....	-----	-----	2,532.54
Palo Seco Leper Asylum.....	1,182.40	1,180.59	1,194.07
Santo Tomas Hospital.....	924.00	915.00	872.50
Medical storehouse.....	-----	580.55	686.59
Construction and repairs to buildings.....	587.85	2,215.41	209.28
Total.....	48,573.33	49,262.91	66,438.99
Dispensaries:			
Naos Island.....	247.80	257.64	194.37
Balboa.....	954.48	998.06	522.85
Tivoli.....	742.79	756.58	700.19
Corozal.....	727.76	785.87	472.26
Miraflores.....	-----	-----	425.69
Pedro Miguel.....	407.79	382.81	483.49
Paraiso.....	595.45	550.94	468.47
Culebra.....	745.41	776.67	1,360.10
Empire.....	902.87	869.99	1,112.76
Las Cascadas.....	-----	-----	456.95
Gamboia.....	121.45	126.09	-----
Bas Obispo.....	-----	-----	406.80
Gorgona.....	-----	-----	927.42
Gatun.....	922.16	954.83	1,661.39
Cristobal.....	987.20	926.26	929.43
Margarita Point.....	109.11	113.35	118.43
Toro Point.....	242.42	254.95	377.50
Porto Bello.....	288.59	330.60	412.68
Total.....	7,995.28	8,084.64	11,030.78

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH—
Continued.

	April, 1914.	March, 1914.	April, 1913.
Sanitary division:			
General inspector	\$315.00	\$684.17	\$700.00
Health office, Panama	3,275.28	1,997.92	2,997.70
Street cleaning	4,132.73	5,038.98	833.33
Health office, Colon	1,386.97	1,826.67	2,021.18
Street cleaning	2,014.65	1,791.59	1,553.95
Zone sanitation:			
Ancon	1,195.98	1,173.40	1,622.89
Balboa	1,128.53	1,933.02	1,847.42
Corozal	1,320.11	1,205.30	703.22
Miraflores			4,443.18
Pedro Miguel	2,752.30	2,285.18	1,959.41
Paraiso	1,446.92	1,492.98	1,230.61
Culebra	955.24	948.72	1,982.34
Empire	2,019.47	2,206.93	2,781.00
Las Cascadas			1,482.22
Bas Obispo			764.72
Matachin			864.92
Gorgona			1,186.20
Frijoles	119.30	117.00	451.85
Gatun	2,233.23	2,258.19	7,361.52
Cristobal and Mount Hope	2,174.06	2,156.88	2,647.97
Porto Bello	236.33	235.16	349.46
Total	26,706.10	27,351.09	39,785.09
Quarantine division	3,941.45	4,089.22	5,365.06
<i>Recapitulation.</i>			
Chief health office	2,264.34	3,903.97	4,882.11
Hospital division	48,573.33	49,262.91	66,438.99
Dispensaries	7,935.28	8,084.64	11,030.78
Sanitary division	26,706.10	27,351.09	39,785.09
Quarantine division	3,941.45	4,089.22	5,365.06
Total	89,480.50	92,691.83	127,502.03

ANCON HOSPITAL.

TABLE XIII.—REPORT OF NATIONALITY OF PATIENTS TREATED IN ANCON HOSPITAL.

Class.	Total number treated.	Americans.		Other nations.	
		W.	B.	W.	B.
Hospital:					
Panama Canal employees.....	1,019	209	.....	132	678
Panama Railroad employees.....	231	25	.....	28	178
Pay patients.....	773	425	.....	137	211
Charity patients.....	82	44	.....	10	28
Total.....	2,105	703	.....	307	1,095
Insane asylum:					
Employees.....	42	4	.....	5	33
Nonemployees.....	284	9	.....	17	258
Total.....	326	13	.....	22	291
Grand total.....	2,431	716	.....	329	1,886

Cost of subsistence per patient per day, 25 cents.

WARD LABORATORY REPORT.

Blood examinations.....	1,294
Estivo-autumnal.....	198
Quartan.....	2
Tertian.....	48
Mixed.....	5
Differential counts.....	64
Hemoglobin estimations.....	124
Leucocyte counts.....	202
Red blood counts.....	15
Stool examinations.....	1,042
Ameba.....	11
Ascaris lumbricoides.....	57
Balantidium coli.....	1
Bilharzia.....	1
Cercomonas intestinalis.....	1
Ciliated monads.....	14
Entameba (histolytica and tetragena).....	11
Guaiac test.....	2
Pus and blood.....	118
Strongyloides intestinalis.....	64
Tenia saginata (ova).....	1
Tricocephalus dispar.....	96
Uncinaria (ova).....	157
Urine examinations.....	1,939
Albumen.....	692
Bile.....	14
Casts.....	488
Indican.....	24
Pus and blood.....	467
Sugar (positive 2).....	5
Sputum examinations.....	283
Positive for tubercle bacilli.....	39
Smear examinations.....	22
Urethral (4 positive for gonococci).....	14
Vaginal (1 positive for gonococci).....	4
Gonorrhoeal ophthalmia (positive).....	4

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Thigh.....	1	
Digits, multiple.....	4	
Operations on bones:		
Fractures, simple.....	6	
Fractures, compound.....	1	
Adenectomy:		
Cervical.....	1	
Axillary.....	1	
Inguinal, single.....	30	
Inguinal, double.....	7	
Femoral.....	2	
Herniotomy:		
Inguinal, single.....	7	
Inguinal, double.....	3	
Ventral.....	1	
Strangulated.....	1	
Genito-urinary tract:		
Urethrotomy, internal.....	3	
Varicocele, radical cure.....	1	
Hydrocele, single, radical cure.....	1	
Hydrocele, double, radical cure.....	1	
Epididymotomy.....	2	
Amputation of scrotum.....	1	
Curetage uteri.....	8	
Trachelorrhaphy.....	4	
Vaginal sections.....	1	
Vaginal punctures.....	1	
Obstetrical:		
Low forceps.....	1	
Rectum:		
Hemorrhoids, radical cure.....	9	
Fistula in anus, excision of.....	2	
General:		
Aneurismorrhaphy.....	1	
Excision of surface neoplasms.....	5	
Plastic operation for severe injuries.....	1	
Plastic operation for effects of disease.....	1	
Skin graft.....	2	
Laparotomy:		
For general peritonitis (not traumatic or appendicial)....	1	
Enterostomy.....	1	
Appendectomy.....	14	
Appendectomy with local peritonitis.....	4	
Cholecystectomy.....	2	
Abscess of liver, laparo-hepatotomy for.....	2	1
Abscess of liver, thoraco-hepatotomy for.....	1	1
Pan-hysterectomy.....	1	
Supravaginal hysterectomy.....	1	
Hysteromyomectomy.....	8	
Myomectomy.....	1	
Salpingectomy, single.....	1	
Suspensio-uteri.....	2	
Plastic operation for chronic pelvic peritonitis.....	4	
For ectopic gestation.....	1	
For trauma: Gunshot wound of abdomen.....	1	
Major operations.....	4	
Minor operations, various.....	160	
Total.....	319	2

REPORT OF SURGICAL OPERATIONS.

Adenoidectomy.....	16
Canthotomy.....	1
Cataract extraction, senile.....	1
Enucleation.....	1
Expression.....	4
Iridectomy.....	3
Lingual abscess.....	1
Pterygium excision.....	3
Pterygium transplantation.....	3
Submucous resection of nasal septum.....	8
Tonsillectomy.....	23
	<hr/> 64
Various minor operations:	
Ear.....	5
Eye.....	35
Nose and throat.....	6
	<hr/> 46
Total.....	110
Total number of outside cases treated.....	741
Refractions.....	150

OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical.....	417	327	65	402
Surgical.....	378	210	32	104
Eye and ear.....	741	378	36	162
Admitting physician.....	3,605	2,487	16	2,031
Total.....	5,141	3,402	149	2,699

REPORT OF THE BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—	Chemical analysis of—Continued.
Blood cultures..... 18	“Pyrene” (fire extinguisher)... 1
Throat cultures..... 30	Liquid and powder from Cul-
Urine cultures..... 37	bra dispensary..... 1
Stool cultures..... 34	Urine..... 1
Pus..... 1	Mother's milk..... 3
Cultures from autopsies..... 6	St. Charles unsweetened con-
Fluid from pleura..... 1	densed milk..... 1
Hand lesions..... 1	Whole milk, No. 1..... 1
Abdominal fluid..... 2	8-hour cream..... 1
Knee-joint fluid..... 3	Skim-milk from 8-hour cream.. 1
Autogenic vaccines prepared..... 4	Whole milk No. 2..... 1
Antityphoid vaccinations..... 3	24-hour cream..... 1
Wassermann reactions..... 241	Oil, transformer rooms..... 4
Agglutination reactions..... 4	Fer-mil-lac..... 1
Pathological tissues prepared, par-	Determination of moisture and
affin..... 247	volatile matter in soil..... 6
Pathological tissues prepared,	Surgical tissues and neoplasms re-
frozen..... 5	ported..... 22
Chemical analysis of—	Autopsies performed..... 30
Hospital dairy milk..... 1	Bodies embalmed..... 6
Milk from private dairies sup-	Animals examined or under obser-
plying cities of Panama and	vation..... 5
Colon..... 28	Leper suspects examined (1 posi-
Brass borings, depot quarter-	tive)..... 10
master..... 1	Rats examined..... 1,336
Preparation of dark fluid and	
“U”-tube, for testing hydro-	
electric plant, Gatun..... 1	

Investigation of pneumonia in Colombia.

REPORT OF OPERATION OF HOSPITAL FARM, COROZAL.

Expenditures:

Accrued leave of superintendent.....	\$693.33
Supervision.....	200.00
Labor.....	488.05
Subsistence of labor.....	365.09
Quartermaster team service.....	76.90
Electric lights.....	3.90
Ice.....	.90
Materials and supplies.....	125.57
Total.....	<u>\$1,953.75</u>

Receipts:

Transfer and service rendered.....	\$42.91
Products sold:	
3,780 heads lettuce.....	\$87.10
52 pounds lettuce.....	4.92
371 bunches radishes.....	17.06
15 bunches parsley.....	.69
32 bunches bananas.....	7.40
150 bunches spinach.....	2.76
130 pounds yucca.....	2.93
481 pounds beans.....	70.65
20 pounds sweet peppers.....	1.84
331 pounds papayas.....	7.45
334½ dozen eggs.....	140.20
4 dozen roses.....	2.00
40 ears corn.....	.67
10 pineapples.....	1.04
75 plantains.....	.75
50 loads grass.....	50.00
30 guinea pigs.....	15.00
5 plants.....	1.00
Pasturage.....	58.00
	<u>471.46</u>
Total.....	<u>514.37</u>

Net running expenses..... 1,439.38

Number of days' treatment..... 1,509

Net cost per patient per day..... \$0.9538

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES,
INSANE ASYLUM.*Commitments.*

	Male.	Female.
From Zone Government:		
Received on first commitment.....	¹ 11	1
Received on second commitment.....	2	
From Panama Government:		
Received on first commitment.....	² 2	² 3
Received on second commitment.....		1
Received on sixth commitment.....		1
Total.....	15	6

¹ Returned to asylum from hospital, 3. ² Returned to asylum from hospital, 1.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES,
INSANE ASYLUM.*Discharges.*

Nationality.	Well.		Improved.		Discharged.	
	Male.	Female.	Male.	Female.	Male.	Female.
Jamaica.....	1	2	.....	.....	1 1	.....
Barbados.....	.....	.....	.....	.....	.....	2 3
Panama.....	1	1	.....	.....	1	.....
Japan.....	.....	.....	.....	.....	1 1	.....
Trinidad.....	.....	.....	.....	.....	1 1	.....
United States of America	1	.....	.....	.....	2 1	.....
Demerara.....	1	.....	.....	.....	.....	.....
St. Lucia.....	.....	1	.....	.....	.....	.....
Total.....	4	4	.....	.....	5	3

¹ Transferred to hospital.² Deported.*Deaths.*

Physical diagnosis.	Mental diagnosis.							
	Dementia precox.		Alcoholic.		Psychoses accompany- ing other brain or nervous diseases.		Infective exhaustive psychosis.	
	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
Cerebral hemorrhage.....	1	.....	.....
Acute endocarditis.....	1	.....	.....	.....
Purulent infection and septi- cemia.....	1	.....	.....	.....	.....
Clinical dysentery.....	2
Tuberculosis of the lungs.....	1	.....	.....	.....	.....	.....	.....	.....
Infection undetermined.....	1

C. H. O.,-4; Asy.,-1; A. N. C.,-1.

ANCON HOSPITAL, July, 3, 1914.

COLON HOSPITAL.

TABLE XIV.—NATIONALITY OF PATIENTS.

	White American.	White foreign.	Black.	Total.
Panama Canal employees.....	3	12	68	83
Panama Railroad employees.....	3	6	37	46
Pay (private).....	4	14	13	31
Pay (municipal).....	.....	3	10	13
Zone charity.....	1	1	12	14
Total.....	11	36	140	187

Cost of subsistence per patient per day, 30 cents.

LABORATORY REPORT.

Blood examinations.....	72
Estivo autumnal.....	22
Tertian.....	5
White blood counts.....	7
Differential counts.....	3
Stool examinations.....	60
Uncinaria.....	11
Tricocephalus dispar.....	10
Strongyloides.....	8
Ciliated monads.....	3
Balantidium coli.....	1
Amoeba.....	1
Urine examinations.....	77
Albumin and casts.....	19
Sputum examinations.....	13
Negative.....	13

SURGICAL OPERATIONS.

Herniotomy:	
Inguinal, single.....	1
Genito-urinary tract:	
Urethrotomy, internal.....	1
Urethrotomy, external.....	1
Epididymotomy.....	1
Obstetrical:	
Low forceps.....	2
Perineorrhaphy.....	1
Thorax:	
Thorocotomy (died, 1).....	1
General:	
Tenorrhaphy.....	1
Laparotomy:	
Tenorrhaphy.....	1
Laparotomy:	
For intestinal obstruction.....	1
Appendectomy with general peritonitis (died, 1).....	1
Haematoperitoneum (died, 1).....	1
Minor operations, various.....	17

REPORT OF PALO SECO LEPER ASYLUM.

TABLE XV.—NATIONALITY OF PATIENTS.

Class.	Number treated.		Americans.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....						
Panama Railroad employees.....						
Pay cases.....	2	31			2	31
Charity cases.....	2	16			2	16
Total.....	4	47			4	47

Cost of subsistence per patient per day, 26 cents.

SANTO TOMAS HOSPITAL.

TABLE XVI.

Class.	Remain- ing June 1.	Admit- ted.	Dis- charged.	Died.	Remain- ing June 30.
Pay cases.....	52	100	106	2	44
Charity cases.....	333	737	691	61	318
Total.....	385	837	797	63	362

Average number of patients constantly sick..... 363
 Total number of days' treatment..... 11,058
 Average number of days' treatment per patient..... 9
 Cost of subsistence per patient per day \$0.23

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	152			64	88
Charity cases.....	1,070			114	956
Total.....	1,222			178	1,044

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	70	360	430
Foreigners.....	62	274	336
Total.....	132	634	766

DISEASES TREATED.

Typhoid fever.....	1	Lobar pneumonia.....	26
Malaria.....	72	Diarrhea and enteritis (two years and over).....	14
Malarial fever, estivoautumnal....	27	Intestinal parasites.....	21
Malarial fever, tertian.....	3	Appendicitis and typhlitis.....	8
Malarial fever, clinical.....	39	Hernia, intestinal obstructions....	12
Scarlet fever.....	4	Cirrhosis of the liver.....	4
Diphtheria and croup.....	1	Simple peritonitis (nonpuerperal)	1
Influenza.....	18	Other diseases of the digestive system (cancer and tuberculosis excepted).....	5
Dysentery.....	15	Acute nephritis.....	19
Leprosy.....	1	Diseases of the bladder.....	10
Erysipelas.....	1	Diseases of the prostate.....	3
Purulent infection and septicemia	11	Other diseases of the uterus.....	6
Pellagra.....	2	Salpingitis and other diseases of the female genital organs.....	12
Beriberi.....	1	Normal labor.....	95
Tuberculosis of the lungs.....	22	Accidents of pregnancy.....	9
Syphilis.....	48	Abortion.....	3
Gonorrhoea.....	13	Eclampsia.....	1
Cancer and other malignant tumors of the breast.....	2	Furuncle.....	5
Acute articular rheumatism.....	11	Acute abscess.....	23
Alcoholism (acute or chronic)....	7	Other diseases of the skin and annexa.....	26
Other forms of mental alienation.	6	Other diseases of the organs of locomotion.....	1
Epilepsy.....	3	New-born child.....	87
Other diseases of the nervous system.....	8	Suicide by poisoning.....	1
Diseases of the eyes and their annexa.....	5	Burns (conflagration excepted)...	2
Acute endocarditis.....	6	Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	18
Organic diseases of the heart.....	4	Fractures (cause not specified)...	13
Diseases of the arteries (atheroma, aneurysm, etc.).....	2	No disease.....	59
Arterio sclerosis.....	1		
Diseases of the veins (varicose, hemorrhoids, phlebitis, etc.)....	4		
Hemorrhage; other diseases of the circulatory system.....	9		
Diseases of the larynx.....	1	Total.....	860
Chronic bronchitis.....	28		

SURGICAL OPERATIONS.

	Number.	Died.
Amputations, thigh.....	1	.....
Ostectomy.....	5	.....
Wiring of fractures, simple.....	2	.....
Wiring of fractures, compound.....	2	.....
Adenectomy, inguinal, single.....	7	.....
Adenectomy, inguinal, double.....	3	.....
Herniotomy, inguinal, single.....	3	.....
Herniotomy, inguinal, double.....	1	.....
Urethrotomy, internal.....	7	.....
Urethrotomy, external.....	3	.....
Hydrocele, single, radical cure.....	3	.....
Curetage, uteri.....	3	1
Hemorrhoids, radical cure.....	3	.....
Fistula in anus, excision of.....	3	.....
Thyroidectomy.....	1	.....
Tenorrhaphy.....	1	.....
Plastic operation for congenital defect.....	9	.....
Plastic operation for severe injuries.....	4	.....
Plastic operation for effects of disease.....	8	.....
Appendectomy.....	8	.....
Appendectomy, with general peritonitis.....	1	.....
Abscess of liver, thoraco-hepatotomy for.....	2	.....
Pan-hysterectomy.....	1	.....
Hysteromyomectomy.....	1	.....
Salpingectomy, single.....	4	.....
Salpingectomy, double.....	4	.....
Salpingo-oophorectomy.....	10	1
Oophorectomy.....	1	.....
Suspensio-uteri.....	6	.....
Minor operations various.....	62	.....
Total.....	169	2

TABLE XVII.

The following is a summary of sanitary work performed and material expended during the month in the Canal Zone:

Work requests on Quartermaster's Department:	
Grass cutting.....	21
Screening.....	18
Miscellaneous.....	20
Work requests on engineering department.....	33
Work requests on other departments.....	4
Notices served to abate nuisances.....	4
Building permits approved.....	1
Inspections of closets.....	2,450
Inspection of stores.....	223
Inspections of restaurants.....	37
Inspections of shops.....	181
Garbage cans emptied.....	140,374
Closets disinfected.....	6,484
Houses disinfected.....	3
Rat traps used daily.....	1,289
Adult Anopheles destroyed in houses.....	8,166
Adult culices destroyed in houses.....	18,843
Containers found with Stegomyia larvæ.....	20
Larvacide used..... gallons.....	3,705
Crude oil used..... do.....	23,915
Rats destroyed.....	1,195

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE,
PANAMA.

Mosquito work:	
Lineal feet of ditches cleaned and maintained.....	26,831
Number of cubic yards earth used in filling.....	0
Gallons larvicide used.....	739½
Gallons crude oil used.....	145
Square yards pools oiled.....	60,859
Water containers treated.....	176,279
Mosquito-breeding places found.....	1,185
Fly-breeding places found.....	1,336
Garbage collections:	
Loads garbage removed to dump.....	4,560
Total cans garbage emptied.....	99,550
Buildings:	
Buildings inspected.....	5,634
Plans for new buildings approved.....	51
Permits granted for repairs to old buildings.....	155
Buildings condemned.....	186
Buildings demolished.....	16
Street cleaning:	
Average number of square yards cleaned daily.....	600,000
Average number of square yards streets sprinkled daily.....	90,000
Private properties cleaned during month.....	6
Notices served and nuisances abated.....	183
Vaccinations:	
Vaccinations during month.....	1,779
Total vaccinations since Apr. 1, 1914.....	4,844

GENERAL WORK REPORT FOR COLON.

[Including Cristobal, Mount Hope, and Toro Point.]

HEALTH OFFICE, *Cristobal*.

General sanitation:	
Square yards of street cleaned.....	4,045,752
Square yards of street sprinkled.....	0
Square yards of alleys maintained.....	701,807
Loads of garbage, cubic yards.....	463
Private properties cleaned.....	80
Rats killed.....	163
Cans of garbage (1,085 cubic yards).....	64,226
Cubic yards of ditches constructed.....	134
Lineal feet of ditches maintained.....	4,055
Square yards of vegetation removed.....	76,000
Square yards oiled.....	41,700
Receptacles treated.....	22,900
Mosquito-breeding places destroyed.....	136
Fly-breeding places destroyed.....	67
Buildings inspected.....	2,835
Gallons larvicide used.....	840
Gallons crude oil used.....	0
Nuisances abated.....	219
Colon dump maintained.....	
Buildings:	
Plans approved.....	2
Permits to repair issued.....	34
Permits to occupy issued.....	3
Temporary permits to occupy issued.....	0
Sewers (reported by division of municipal engineers):	
New connections made during month.....	3
Total connections made to date.....	1,148
Houses in which extensions were made.....	1
Outstanding permits.....	43

CRISTOBAL.

Sanitation:	
Square yards pools oiled.....	8,200
Receptacles treated.....	2,800
Mosquito-breeding places destroyed.....	32
Fly-breeding places destroyed.....	4
Buildings inspected.....	200
Gallons larvicide used.....	106
Gallons crude oil used.....	0

TORO POINT.

Sanitation:	
Square yards oiled.....	16,950
Receptacles treated.....	8,580
Mosquito-breeding places destroyed.....	34
Fly-breeding places destroyed.....	3
Mosquitoes killed (Anoph. 2,576; Cul., 235).....	2,811
Cubic yards ditches constructed.....	704
Linear yards ditches maintained.....	625
Gallons larvicide used.....	81
Gallons crude oil used.....	155

MOUNT HOPE.

Sanitation:	
Square yards oiled.....	97,200
Receptacles treated.....	23,200
Mosquito-breeding places destroyed.....	277
Mosquitoes killed in barracks (Cristobal) (Anoph., 93,358; Cul., 8,722).....	102,080
Mosquitoes killed in cars (Cristobal) (Anoph., 13,074; Cul., 2,800).....	15,874
Linear yards ditches maintained.....	14,773
Gallons larvicide used.....	586
Gallons crude oil used.....	2,106

TABLE XVIII.—QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA AND PANAMA.

Vessels inspected and passed.....	17
Vessels inspected and held in quarantine.....	12
Total vessels inspected.....	29
Vessels fumigated on arrival.....	12
Crew examined.....	2,314
Passengers from foreign ports examined and landed:	
Cabin.....	454
Steerage.....	143
	597
Total persons examined.....	2,911
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	8
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	533
Total persons vaccinated.....	541
Persons held in quarantine at the detention house to complete period of incubation for fever or plague.....	125
Persons held in quarantine on board vessels to complete period of incubation of yellow fever or plague.....	1,547
Total persons held under observation.....	1,672
Persons embarked for foreign ports:	
Cabin.....	450
Steerage.....	172
	622
Persons arriving from coast towns in small launches and sailing craft.....	1,763
Persons sailing for coast towns in small launches and sailing craft.....	1,985
Bills of health issued.....	31
Certificates issued to outgoing passengers.....	20
Total number of persons landed.....	2,360
Total number of persons sailing.....	2,607
Apparent decrease for the month.....	247

QUARANTINE TRANSACTIONS AT THE PORTS OF COLON AND CRISTOBAL.

Vessels inspected and passed.....	91	
Vessels fumigated on departure.....	5	
Pieces of baggage handled and stored.....	770	
Crew inspected.....	8,093	
Passengers inspected (including 398 United States troops).....	5,067	
Total persons inspected.....		13,160
Persons vaccinated in port on arrival.....	830	
Persons vaccinated in ports of departure or en route.....	912	
Total persons vaccinated.....		1,742
Persons detained in quarantine to complete period of incubation for yellow fever and plague.....	312	
Persons detained on vessels.....	105	
Total persons held under observation.....		417
Total persons landed from foreign ports:		
Cabin.....	1,710	
Steerage.....	1,571	
Total persons embarked for foreign ports:		3,281
Cabin.....	1,677	
Steerage.....	1,862	
Persons in transit.....		3,539
Persons from coast towns (inspected).....		1,355
Persons from coast towns (not inspected).....		431
Persons leaving Colon for coast towns.....		316
Persons landed during month:		297
For immigration report.....	3,712	
For Pacific ports.....	316	
Bills of health issued.....		4,028
Bills of health viséed.....		8
Persons recommended for deportation.....		32
Certificates issued to outgoing passengers.....		4
Persons refused certificates account of trachoma.....		23
Total persons landed.....	4,028	
Less number for Pacific ports.....	316	
Total persons sailing.....	3,712	
	3,836	
Apparent decrease for month.....		124

CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA AND PANAMA AND COLON AND CRISTOBAL.

Vessels inspected and passed.....	108	
Vessels held in quarantine.....	12	
Total vessels entered.....		120
Vessels fumigated on arrival.....	12	
Vessels fumigated on departure.....	5	
Total vessels fumigated.....		17
Pieces of baggage handled and stored.....		770
Crew examined.....	10,407	
Passengers examined (including 398 United States troops).....	5,664	
Total persons examined.....		16,071
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	838	
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1,445	
Total persons vaccinated.....		2,283

Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	437	
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	1,652	
Total persons held under observation.....		2,089
Total persons landed from foreign ports:		
Cabin.....	2,164	
Steerage.....	1,714	
		3,878
Total persons embarked for foreign ports:		
Cabin.....	2,127	
Steerage.....	2,034	
		4,161
Total persons arriving from coast towns on small launches and sailing craft.....	2,510	
Total persons sailing for coast towns on small launches and sailing craft.....	2,282	
Apparent increase for month from coast towns.....		228
Apparent decrease for month from foreign ports:		
Cabin (increase).....	37	
Steerage (decrease).....	320	
		283
Immigrants recommended for deportation.....		4
Certificates issued to outgoing passengers.....		43
Persons refused certificates on account of trachoma.....		3
Bills of health issued or viséed.....		71
Total persons landed.....	6,388	
Less number for Pacific ports.....	316	
		6,072
Total persons sailing.....		6,443
Apparent decrease for month.....		371

IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steerage.
Europe.....	39	29
United States.....	1,061	22
Jamaica and West Indies.....	125	1,054
Venezuela.....	18	1
Colombia.....	81	121
Cuba.....	34	70
Guatemala.....	14	98
Costa Rica.....	97	101
Bocas del Toro.....	78	353
Coast towns.....		316
Total.....	1,547	2,165
Men.....		2,459
Women.....		647
Children.....		290
Unclassified.....		316
Total.....		3,712

QUARANTINE—BOCAS DEL TORO.

Vessels inspected and passed.....	37
Crew inspected and passed.....	1,735
Passengers inspected and passed.....	859
Passengers, in transit, inspected and passed.....	253
Persons held to complete period of incubation of yellow fever.....	10
Persons held to complete period of incubation of plague.....	2

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate.....	39.00
Quinine sulphate tablets.....	4.00
Total.....	43.00
Pounds, avoirdupois, 94.80.	

TABLE XX.—PERSONNEL REPORT.

	June, 1914.			May, 1914.	June, 1913.
	Officers and em- ployees.	Skilled and un- skilled labor.	Total.	Total.	Total.
Chief health officer.....	15	.....	15	16	33
Property division.....	.....	.....	.....	.....	9
Quarantine division.....	19	20	39	38	41
Health office:					
Panama.....	23	138	161	161	47
Colon.....	18	121	139	110	133
Ancon Hospital.....	273	203	476	513	558
Colon Hospital.....	22	10	32	32	189
Santo Tomas Hospital.....	6	.....	6	6	5
Taboga Sanitarium.....	.....	.....	.....	.....	22
Palo Seco Leper Asylum.....	11	7	18	18	16
Zone sanitation.....	21	105	126	124	247
Hospital farm.....	1	47	48	49	.....
Dispensaries:					
Ancon.....	.....	.....	.....	.....	5
Balboa.....	6	.....	6	6	4
Bas Obispo.....	.....	.....	.....	.....	6
Corozal.....	4	.....	4	4	5
Cristobal.....	6	.....	6	6	6
Culebra.....	5	.....	5	5	6
Empire.....	4	.....	4	5	6
Gatun.....	4	.....	4	4	9
Gorgona.....	.....	.....	.....	.....	6
Las Cascadas.....	.....	.....	.....	.....	4
Margarita Point.....	1	.....	1	1	1
Miraflores.....	.....	.....	.....	.....	3
Naos Island.....	2	.....	2	2	2
Paraíso.....	4	.....	4	4	4
Pedro Miguel.....	3	3	3	4
Porto Bello.....	4
Toro Point.....	2	3
Total.....	448	651	1,099	1,109	1,403

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